Lee H Wong

List of Publications by Year
in descending order

53 papers	5,824 citations	101384 36 h-index	168136 53 g-index
55 all docs	55 docs citations	55 times ranked	8349 citing authors

#	Article	IF	Citations
1	Histone H3.3 phosphorylation promotes heterochromatin formation by inhibiting H3K9/K36 histone demethylase. Nucleic Acids Research, 2022, 50, 4500-4514.	6.5	12
2	Mutations inhibiting KDM4B drive ALT activation in ATRX-mutated glioblastomas. Nature Communications, 2021, 12, 2584.	5.8	23
3	A saturating mutagenesis CRISPR-Cas9â€“mediated functional genomic screen identifies cis- and trans-regulatory elements of Oct4 in murine ESCs. Journal of Biological Chemistry, 2020, 295, 15797-15809.	1.6	6
4	Ribosomal DNA copy loss and repeat instability in ATRX-mutated cancers. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4737-4742.	3.3	72
5	Inhibition of a K9/K36 demethylase by an H3.3 point mutation found in paediatric glioblastoma. Nature Communications, 2018, 9, 3142.	5.8	49
6	Gut microbial metabolites limit the frequency of autoimmune T cells and protect against type 1 diabetes. Nature Immunology, 2017, 18, 552-562.	7.0	551
7	PML protein organizes heterochromatin domains where it regulates histone H3.3 deposition by ATRX/DAXX. Genome Research, 2017, 27, 913-921.	2.4	52
8	Aurora Kinase B, a novel regulator of TERF1 binding and telomeric integrity. Nucleic Acids Research, 2017, 45, 12340-12353.	6.5	18
9	Compromised Telomeric Heterochromatin Promotes ALTernative Lengthening of Telomeres. Trends in Cancer, 2016, 2, 114-116.	3.8	17
10	New players in heterochromatin silencing: histone variant H3.3 and the ATRX/DAXX chaperone. Nucleic Acids Research, 2016, 44, 1496-1501.	6.5	80
11	CHK1-driven histone H3.3 serine 31 phosphorylation is important for chromatin maintenance and cell survival in human ALT cancer cells. Nucleic Acids Research, 2015, 43, 2603-2614.	6.5	46
12	Histone variant H3.3 provides the heterochromatic H3 lysine 9 tri-methylation mark at telomeres. Nucleic Acids Research, 2015, 43, gkv847.	6.5	79
13	Contribution of the Two Genes Encoding Histone Variant H3.3 to Viability and Fertility in Mice. PLoS Genetics, 2015, 11, e1004964.	1.5	93
14	Evidence that asthma is a developmental origin disease influenced by maternal diet and bacterial metabolites. Nature Communications, 2015, 6, 7320.	5.8	683
15	A novel role for the Pol I transcription factor UBTF in maintaining genome stability through the regulation of highly transcribed Pol II genes. Genome Research, 2015, 25, 201-212.	2.4	52
16	HENMT1 and piRNA Stability Are Required for Adult Male Germ Cell Transposon Repression and to Define the Spermatogenic Program in the Mouse. PLoS Genetics, 2015, 11, e1005620.	1.5	95
17	High histone variant H3.3 content in mouse prospermatogonia suggests a role in epigenetic reformatting. Chromosoma, 2014, 123, 587-595.	1.0	4
18	The PML-associated protein DEK regulates the balance of H3.3 loading on chromatin and is important for telomere integrity. Genome Research, 2014, 24, 1584-1594.	2.4	63

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19	Essential Developmental, Genomic Stability, and Tumour Suppressor Functions of the Mouse Orthologue of hSSB1/NABP2. PLoS Genetics, 2013, 9, e1003298.	1.5	28
20	PML bodies provide an important platform for the maintenance of telomeric chromatin integrity in embryonic stem cells. Nucleic Acids Research, 2013, 41, 4447-4458.	6.5	58
21	Conditional allelic replacement applied to genes encoding the histone variant H3.3 in the mouse. Genesis, 2013, 51, 142-146.	0.8	30
22	Normal DNA Methylation Dynamics in DICER1-Deficient Mouse Embryonic Stem Cells. PLoS Genetics, 2012, 8, e1002919.	1.5	18
23	Transcription in the maintenance of centromere chromatin identity. Nucleic Acids Research, 2012, 40, 11178-11188.	6.5	97
24	Active transcription and essential role of RNA polymerase II at the centromere during mitosis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1979-1984.	3.3	229
25	Lessons from neocentromeres. Epigenomics, 2011, 3, 251-254.	1.0	0
26	ATRX interacts with H3.3 in maintaining telomere structural integrity in pluripotent embryonic stem cells. Genome Research, 2010, 20, 351-360.	2.4	343
27	Epigenetic regulation of telomere chromatin integrity in pluripotent embryonic stem cells. Epigenomics, 2010, 2, 639-655.	1.0	14
28	Histone H3.3 incorporation provides a unique and functionally essential telomeric chromatin in embryonic stem cells. Genome Research, 2009, 19, 404-414.	2.4	147
29	LINE Retrotransposon RNA Is an Essential Structural and Functional Epigenetic Component of a Core Neocentromeric Chromatin. PLoS Genetics, 2009, 5, e1000354.	1.5	144
30	Neocentromeres: New Insights into Centromere Structure, Disease Development, and Karyotype Evolution. American Journal of Human Genetics, 2008, 82, 261-282.	2.6	341
31	Detection of cryptic pathogenic copy number variations and constitutional loss of heterozygosity using high resolution SNP microarray analysis in 117 patients referred for cytogenetic analysis and impact on clinical practice. Journal of Medical Genetics, 2008, 46, 123-131.	1.5	61
32	UBF levels determine the number of active ribosomal RNA genes in mammals. Journal of Cell Biology, 2008, 183, 1259-1274.	2.3	171
33	Centromere RNA is a key component for the assembly of nucleoproteins at the nucleolus and centromere. Genome Research, 2007, 17, 1146-1160.	2.4	255
34	Permissive Transcriptional Activity at the Centromere through Pockets of DNA Hypomethylation. PLoS Genetics, 2006, 2, e17.	1.5	65
35	BAC-based PCR fragment microarray: High-resolution detection of chromosomal deletion and duplication breakpoints. Human Mutation, 2005, 25, 476-482.	1.1	18
36	Analysis of Mitotic and Expression Properties of Human Neocentromere-based Transchromosomes in Mice. Journal of Biological Chemistry, 2005, 280, 3954-3962.	1.6	18

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37	Variable and hierarchical size distribution of L1-retroelement-enriched CENP-A clusters within a functional human neocentromere. Human Molecular Genetics, 2005, 14, 85-93.	1.4	136
38	Centromere protein b-null mice display decreasing reproductive performance through successive generations of breeding due to diminishing endometrial glands. Reproduction, 2004, 127, 367-377.	1.1	7
39	Evolutionary dynamics of transposable elements at the centromere. Trends in Genetics, 2004, 20, 611-616.	2.9	83
40	Centromeric chromatin pliability and memory at a human neocentromere. EMBO Journal, 2003, 22, 2495-2504.	3.5	26
41	Transcription within a Functional Human Centromere. Molecular Cell, 2003, 12, 509-516.	4.5	135
42	Analysis of mammalian proteins involved in chromatin modification reveals new metaphase centromeric proteins and distinct chromosomal distribution patterns. Human Molecular Genetics, 2003, 12, 3109-3121.	1.4	75
43	Isolation and Characterization of a Human STAT1Gene Regulatory Element. Journal of Biological Chemistry, 2002, 277, 19408-19417.	1.6	84
44	Construction of neocentromere-based human minichromosomes for gene delivery and centromere studies. Gene Therapy, 2002, 9, 724-726.	2.3	19
45	Poly(ADP-ribose) polymerase 2 localizes to mammalian active centromeres and interacts with PARP-1, Cenpa, Cenpb and Bub3, but not Cenpc. Human Molecular Genetics, 2002, 11, 2319-2329.	1.4	77
46	Centromere Proteins Cenpa, Cenpb, and Bub3 Interact with Poly(ADP-ribose) Polymerase-1 Protein and Are Poly(ADP-ribosyl)ated. Journal of Biological Chemistry, 2002, 277, 26921-26926.	1.6	101
47	Centromere on the Move. Genome Research, 2001, 11, 513-516.	2.4	15
48	Construction of neocentromere-based human minichromosomes by telomere-associated chromosomal truncation. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 5705-5710.	3.3	72
49	Survivin and the inner centromere protein INCENP show similar cell-cycle localization and gene knockout phenotype. Current Biology, 2000, 10, 1319-1328.	1.8	497
50	IFN-gamma priming up-regulates IFN-stimulated gene factor 3 (ISGF3) components, augmenting responsiveness of IFN-resistant melanoma cells to type I IFNs. Journal of Immunology, 1998, 160, 5475-84.	0.4	42
51	Interferon-resistant Human Melanoma Cells Are Deficient in ISGF3 Components, STAT1, STAT2, and p48-ISGF3Î³. Journal of Biological Chemistry, 1997, 272, 28779-28785.	1.6	215
52	The SH2 domains of Stat1 and Stat2 mediate multiple interactions in the transduction of IFN-alpha signals.. EMBO Journal, 1996, 15, 1075-1084.	3.5	136
53	The SH2 domains of Stat1 and Stat2 mediate multiple interactions in the transduction of IFN-alpha signals. EMBO Journal, 1996, 15, 1075-84.	3.5	48